

**Abstract**

A device and a method for forming a signature, a predefined number of shift registers being provided, to which input data to be tested is applied bit-by-bit and in parallel as successive data words and which serially shift the input data forward in a 5 predefined cycle, a signature being formed in the shift registers after a certain number of data words and cycles, a code generator which generates at least one additional bit position in at least one additional shift register from each data word in the signature also being provided.

(Figure 4)